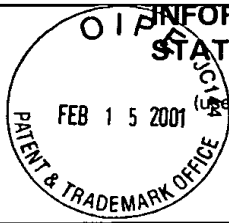


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 <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)</p>		Application Number	09/544,045
		Filing Date	April 6, 2000
		First Named Inventor	Brian Lee Sauer
		Group Art Unit	1643
		Examiner Name	
Sheet 1 of 17	Attorney Docket Number	OMRF 178	

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	US Patent Document		Name of Patentee or Applicant of Cited Document	Date of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		4,959,317		Sauer	09-25-1990	
		5,300,431		Pierce et al.	04-05-1994	
		5,334,515		Rashtchian et al.	08-02-1994	
		5,354,668		Auerbach	10-11-1994	
		5,378,618		Sternberg et al.	01-03-1995	
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		5,441,884		Baum	08-15-1995	
		5,478,731		Short	12-26-1995	
		5,510,099		Short et al.	04-23-1996	
		5,527,695		Hodges et al.	06-18-1996	
		5,530,191		Maliga	06-25-1996	
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		5,589,362		Bujard et al.	12-31-1996	
		5,591,609		Auerbach	01-07-1997	
		5,596,089		Silversides et al.	01-21-1997	
		5,612,205		Kay et al.	03-18-1997	
		5,614,389		Auerbach	03-25-1997	
		5,629,159		Anderson	05-13-1997	
		5,629,179		Mierendorf et al.	05-13-1997	
		5,635,381		Hooykaas et al.	06-03-1997	
		5,639,726		Lawrence et al.	06-17-1997	
		5,641,748		Hsu	06-24-1997	
		5,641,866		Reed et al.	06-24-1997	
		5,643,727		Reed et al.	07-01-1997	
		5,650,298		Bujard et al.	07-22-1997	
		5,650,308		Baum	07-22-1997	
		5,650,491		Reed et al.	07-22-1997	

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		5,654,168		Bujard et al.	08-05-1997	
		5,654,182		Wahl et al.	08-05-1997	
		5,656,438		Hsu	08-12-1997	
		5,658,772		Odell et al.	08-19-1997	
		5,677,177		Wahl et al.	10-14-1997	
		5,679,523		Li et al.	10-21-1997	
		5,686,595		Reed et al.	11-11-1997	
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		5,721,118		Scheffler	02-24-1998	
		5,721,367		Kay et al.	02-24-1998	
		5,723,287		Russell et al.	03-03-1998	
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		5,733,743		Johnson et al.	03-31-1998	
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		5,736,377		Band	04-07-1998	
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		5,744,343		Draetta et al.	04-28-1998	
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		5,763,240		Zarling et al.	06-09-1998	
		5,767,376		Stiles et al.	06-16-1998	
		5,770,384		Androphy et al.	06-23-1998	
		5,773,697		Tomes et al.	05-30-1998	
		5,776,449		Baum	07-07-1998	

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		Filing Date	April 6, 2000
		First Named Inventor	Brian Lee Sauer
		Group Art Unit	1643
		Examiner Name	
Attorney Docket Number	OMRF 178		

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		5,777,194		Scott et al.	07-07-1998	
		5,789,156		Bujard et al.	08-04-1998	
		5,792,632		Dujon et al.	08-11-1998	
		5,792,833		Androphy et al.	08-11-1998	
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		5,807,708		Falb et al.	09-15-1998	
		5,807,995		Cohen et al.	09-15-1998	
		5,814,300		Scott et al.	09-29-1998	
		5,814,500		Dietz	09-29-1998	
		5,814,618		Bujard et al.	09-29-1998	
		5,817,492		Saito et al.	10-06-1998	
		5,830,461		Billiar et al.	11-03-1998	
		5,830,698		Reff et al.	11-03-1998	
		5,830,729		Jaisser et al.	11-03-1998	
		5,834,202		Auerbach	11-10-1998	
		5,837,242		Holliger et al.	11-17-1998	
		5,837,844		Hsu	11-17-1998	
		5,840,540		St. George-Hyslop et al.435/69.1	11-24-1998	
		5,843,694		Band	12-.1-1998	
		5,843,742		Natsoulis et al.	12-01-1998	
		5,843,744		Baum	12-01-1998	
		5,844,079		Ingham et al.	12-01-1998	
		5,849,553		Anderson et al.	12-15-1998	

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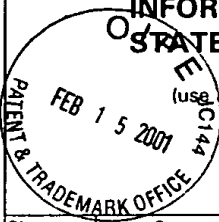
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) 		Application Number	09/544,045
		Filing Date	April 6, 2000
		First Named Inventor	Brian Lee Sauer
		Group Art Unit	1643
		Examiner Name	
Sheet 6 of 17	Attorney Docket Number	OMRF 178	

OTHER ART -- NON PATENT LITERATURE DOCUMENTS			
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		ABREMSKI, et al., "Studies on the properties of P1 site-specific recombination: evidence for topologically unlinked products following recombination," <i>Cell</i> 32(4):1301-11 (1983).	
		ALVARADO-URBINA, et al., "Automated synthesis of gene fragments," <i>Science</i> 214(4518):270-4 (1981).	
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		BARKER, et al., "Cellular localization of soybean storage protein mRNA in transformed tobacco seeds," <i>Proc. Natl. Acad. Sci.</i> 85:458-462 (1988).	
		BARNES & RINE, "Regulated expression of endonuclease EcoRI in <i>Saccharomyces cerevisiae</i> : nuclear entry and biological consequences," <i>Proc. Natl. Acad. Sci. U. S. A.</i> 82(5):1354-8 (1985).	
		BEACHY, et al., "Accumulation and assembly of soybean -conglycinin in seeds of transformed petunia plants," <i>EMBO J</i> 4:3047-3053 (1985).	
		BERLIN & SAUER, "In situ color detection of alpha-L-arabinofuranosidase, a "no-background" reporter gene, with 5-bromo-3-indolyl- -L-arabinofuranoside," <i>Anal. Biochem.</i> 243(1):171-5 (1996).	

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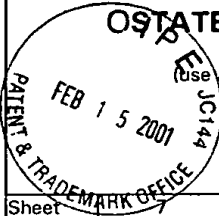
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		BLOCHLINGER & DIGGELMANN, "Hygromycin B phosphotransferase as a selectable marker for DNA transfer experiments with higher eucaryotic cells," <i>Mol. Cell. Biol.</i> 4(12):2929-31 (1984).	
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Sheet 8 of 17	Attorney Docket Number	OMRF 178	

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		CRAIG, "The mechanism of conservative site-specific recombination," <i>Annu. Rev. Genet.</i> 22:77-105 (1988).	
		DEPICKER, et al., "Nopaline synthase: transcript mapping and DNA sequence," <i>J. Mol. Appl. Genet.</i> 1(6):561-73 (1982).	
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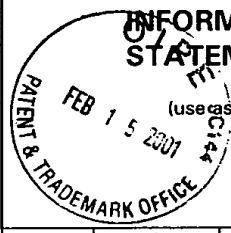
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		GURLEY, et al., "Upstream sequences required for efficient expression of a soybean heat shock gene," <i>Mol. Cell. Biol.</i> 6(2):559-65 (1986).	
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		HOESS, et al., "P1 site-specific recombination: nucleotide sequence of the recombining sites," <i>Proc. Natl. Acad. Sci. U. S. A.</i> 79(11):3398-402 (1982).	

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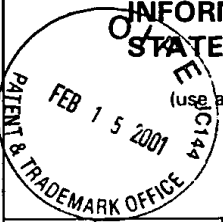
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		Filing Date	April 6, 2000
		First Named Inventor	Brian Lee Sauer
		Group Art Unit	1643
		Examiner Name	
Sheet 10 of 17	Attorney Docket Number	OMRF 178	

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		HOESS, et al., "The role of the <i>loxP</i> spacer region in P1 site-specific recombination," <i>Nucleic Acids Res.</i> 14(5):2287-300 (1986).	
		HOFFMAN, et al., "A modified storage protein is synthesized, processed, and degraded in the seeds of transgenic plants," <i>Plant Mol. Biol.</i> 11:717-729 (1988).	
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		*KILBY, et al., "Site-specific recombinases: tools for genome engineering," <i>Trends Genet.</i> 9(12):413-21 (1993).	

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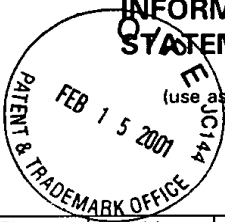
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		KÜHN et al., "Inducible gene targeting in mice," <i>Science</i> 269(5229):1427-9 (1995).	
		LAKSO, et al., "Targeted oncogene activation by site-specific recombination in transgenic mice," <i>Proc. Natl. Acad. Sci. U. S. A.</i> 89(14):6232-6 (1992).	
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		MARRIS, et al., "The 5' flanking region of a barley B hordein gene controls tissue and developmental specific CAT expression in tobacco plants," <i>Plant Mol. Biol.</i> 10:359-366 (1988).	
		*MAYNARD, <i>Hort. Sci.</i> , 24: 603-604 (1989).	
		MAZUR & CHUI, "Sequence of a genomic DNA clone for the small subunit of ribulose bis-phosphate carboxylase-oxygenase from tobacco," <i>Nucleic Acids Res.</i> 13(7):2373-86 (1985).	
		METZGER, et al., "Conditional site-specific recombination in mammalian cells using a ligand-dependent chimeric Cre recombinase," <i>Proc. Natl. Acad. Sci. U. S. A.</i> 92(15):6991-5 (1995).	
		MIYADA, et al., "Regulation of the araC gene of Escherichia coli: catabolite repression, autoregulation, and effect on araBAD expression," <i>Proc. Natl. Acad. Sci. U. S. A.</i> 81(13):4120-4 (1984).	

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		MONDRAGON, "Unraveling transposition: gamma delta resolvase in complex with DNA," <i>Structure</i> 3(8):755-8 (1995).	
		MULLINS, et al., "Efficient Cre-lox linearisation of BACs: applications to physical mapping and generation of transgenic animals," <i>Nucleic Acids Res.</i> 25(12):2539-40 (1997).	
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		ODELL, et al., "Identification of DNA sequences required for activity of the cauliflower mosaic virus 35S promoter," <i>Nature</i> 313(6005):810-2 (1985).	
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		OKAMURO, et al., Soybean seed lectin gene and flanking nonseed protein genes are developmentally regulated in transformed tobacco plants," <i>Proc. Natl. Acad. Sci. U. S. A.</i> 83(21):8240-4 (1986).	
		ORAM, et al., "Recombination. Pieces of the site-specific recombination puzzle," <i>Curr. Biol.</i> 5(10):1106-9 (1995).	
		PADDON & HARTLEY, "Expression of <i>Bacillus amyloliquefaciens</i> extracellular ribonuclease (barnase) in <i>Escherichia coli</i> following an inactivating mutation," <i>Gene</i> 53(1):11-9 (1987).	

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		Filing Date	April 6, 2000		
		First Named Inventor	Brian Lee Sauer		
		Group Art Unit	1643		
		Examiner Name			
Sheet	13	of	17	Attorney Docket Number	OMRF 178

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		PAN, et al., "Mechanism of cleavage and ligation by FLP recombinase: classification of mutations in FLP protein by in vitro complementation analysis," <i>Molecular and Cellular Biology</i> 13(6):3167-3175 (1993).	
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		RADKE, et al., "Transformation of <i>Brassica napus</i> L. using <i>Agrobacterium tumefaciens</i> : developmentally regulated expression of a reintroduced napin gene," <i>Theor. Appl. Genet.</i> 75:685-694 (1988).	
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		SANFORD, The biolistic process," <i>Tibtech</i> 6:299-302 (1988).	

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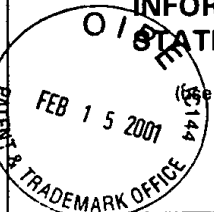
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		SANO & CANTOR, "Expression of a cloned streptavidin gene in <i>Escherichia coli</i> ," <i>Proc. Natl. Acad. Sci. U. S. A.</i> 87(1):142-6 (1990).	
		SAUER & HENDERSON, "Cre-stimulated recombination at <i>loxP</i> -containing DNA sequences placed into the mammalian genome," <i>Nucleic Acids Res.</i> 17(1):147-61 (1989).	
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		SAUER, "Manipulation of transgenes by site-specific recombination: use of Cre recombinase," <i>Methods Enzymol.</i> 225:890-900 (1993).	
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		SAUER, et al., "Construction of isogenic cell lines expressing human and rat angiotensin II AT1 receptors by Cre-mediated site-specific recombination," <i>Methods</i> 4:143-149 (1992).	

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		SAUER, et al., "Site-specific insertion of DNA into a pseudorabies virus vector," <i>Proc. Natl. Acad. Sci. U. S. A.</i> 84(24):9108-12 (1987).	
		SENECOFF & COX, "Directionality in FLP protein-promoted site-specific recombination is mediated by DNA-DNA pairing," <i>J. Biol. Chem.</i> 261(16):7380-6 (1986).	
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		SIGAL & ALBERTS, "Genetic recombination: the nature of a crossed strand-exchange between two homologous DNA molecules," <i>J. Mol. Biol.</i> 71(3):789-93 (1972).	
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		STEMMER, "Rapid evolution of a protein in vitro by DNA shuffling," <i>Nature</i> 370(6488):389-91 (1994).	
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		STERNBERG, et al., "Bacteriophage P1 cre gene and its regulatory region. Evidence for multiple promoters and for regulation by DNA methylation," <i>J. Mol. Biol.</i> 187(2):197-212 (1986).	
		STILES, et al., "DNA sequence of a mutation in the leader region of the yeast iso-1-cytochrome c mRNA," <i>Cell</i> 25(1):277-84 (1981).	
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Application Number 09/544,045

Filing Date April 6, 2000

First Named Inventor Brian Lee Sauer

Group Art Unit 1643

Examiner Name

Attorney Docket Number OMRF 178

Sheet 17 of 17

OTHER ART -- NON PATENT LITERATURE DOCUMENTS

Examiner's Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
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 Filed: April 6, 2000
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Remarks

This statement should not be interpreted as a representation that an exhaustive search has been conducted or that no better art exists. Moreover, Applicants invite the Examiner to make an independent evaluation of the cited art to determine its relevance to the subject matter of the present application. Applicants are of the opinion that their claims patentably distinguish over the art referred to herein, either alone or in combination.

Respectfully submitted,

A handwritten signature in black ink, appearing to be "R. Hodges", written over a horizontal line.

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Dated: February 12, 2001

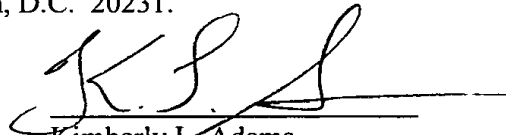
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Date: February 12, 2001